

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V • EXAMINATION – WINTER • 2014****Subject Code: 150204****Date: 08-12-2014****Subject Name: Automobile Maintenance and Repair Practice****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) Define maintenance. Explain Break down, Preventive and Predictive maintenance practices. 07
- (b) Explain measurement of automotive vibration. 07
- Q.2 (a) What is job card? Prepare job card for 2- wheeler and explain merits of job card. 07
- (b) Explain the need and methods of chassis greasing. 07
- OR
- (b) Explain Wear measuring Instrument and Speed measuring Instrument. 07
- Q.3 (a) Repair and maintenance of Propeller shaft “U” joints. 07
- (b) Explain caused for engine overheating. 07
- OR
- Q.3 (a) Explain maintenance and repair of electrical and ignition system. 07
- (b) Explain Cylinder honing and Cylinder boring process. 07
- Q.4 (a) Explain procedure for adjustment of following: 07
1. Toe in & Toe out
2. Camber & Caster
- (b) Explain Clutch troubles and their causes. 07
- OR
- Q.4 (a) What is hydraulic bleeding? When bleeding of brake is required? Explain the procedure for bleeding of brakes. 07
- (b) Explain the testing & servicing of diesel fuel injector. 07
- Q.5 (a) Explain workshop layout. 07
- (b) Draw & Explain a best layout for a Service Station. 07
- OR
- Q.5 (a) Explain classification of tools and equipments for workshop. 07
- (b) Discuss about machines used for servicing and lubrication in service station. 07
